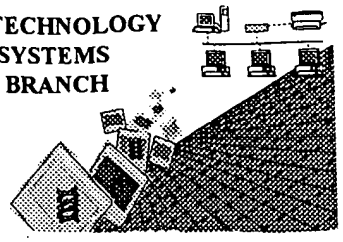
1653

Hope Robinson

BIOTECHNOLOGY SYSTEMS BRANCH



P#15

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/443,986B
Source: 600 RUSH
Date Processed by STIC: 7/2/2002

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PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

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Revised 01/29/2002

Hope Robinson

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1600

RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/09/443,986B TIME: 10:17:32

Input Set : A:\EP.txt
Output Set: N:\CRF3\07022002\I443986B.raw

SEQ ID 24-6

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Elan Corporation
4 O'Mahony, Daniel J.
6 <120> TITLE OF INVENTION: RETRO-INVERSION PEPTIDES THAT TARGET GIT TRANSPORT RECEPTORS AND RELATED
7 METHODS
9 <130> FILE REFERENCE: 99.1064.US/E1067/20019
11 <140> CURRENT APPLICATION NUMBER: US 09/443,986B
12 <141> CURRENT FILING DATE: 1999-11-19
14 <160> NUMBER OF SEQ ID NOS: 85
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 15
20 <212> TYPE: PRT
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23 <220> FEATURE:
24 <223> OTHER INFORMATION: PAX2 15 mer fragment-D form retroinversion
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29 1 5 10 15
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 16
34 <212> TYPE: PRT
OK > 35 **<213> ORGANISM: Artificial**
37 <220> FEATURE:
38 <223> OTHER INFORMATION: P31 16 mer fragment- D form retroinversion
40 <400> SEQUENCE: 2
42 Gly Pro His Arg Arg Gly Arg Pro Asn Ser Arg Ser Ser Lys Arg Thr
43 1 5 10 15
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 14
48 <212> TYPE: PRT
OK > 49 **<213> ORGANISM: Artificial**
51 <220> FEATURE:
52 <223> OTHER INFORMATION: HAX42 14 mer fragment-D form retroinversion
54 <400> SEQUENCE: 3
56 Gly Thr Ser Asn Gly Asn Gly Cys Cys Asn Tyr Asp Gly Pro
57 1 5 10
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 15
62 <212> TYPE: PRT
OK > 63 **<213> ORGANISM: Artificial**
65 <220> FEATURE:
66 <223> OTHER INFORMATION: PAX2 15 mer fragment
68 <400> SEQUENCE: 4

RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/09/443,986B TIME: 10:17:32

Input Set : A:\EP.txt
Output Set: N:\CRF3\07022002\I443986B.raw

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    71 1               5                   10                  15
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    75 <211> LENGTH: 16
    76 <212> TYPE: PRT
C--> 77 <213> ORGANISM: Artificial
    79 <220> FEATURE:
    80 <223> OTHER INFORMATION: P31 16 mer fragment
    82 <400> SEQUENCE: 5
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    85 1               5                   10                  15
    88 <210> SEQ ID NO: 6
    89 <211> LENGTH: 14
    90 <212> TYPE: PRT
C--> 91 <213> ORGANISM: Artificial
    93 <220> FEATURE:
    94 <223> OTHER INFORMATION: HAX42 14 mer fragment
    96 <400> SEQUENCE: 6
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    99 1               5                   10
   102 <210> SEQ ID NO: 7
   103 <211> LENGTH: 40
   104 <212> TYPE: PRT
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   107 <220> FEATURE:
   108 <223> OTHER INFORMATION: PAX2 full length
   110 <400> SEQUENCE: 7
   112 Ser Thr Pro Pro Ser Arg Glu Ala Tyr Ser Arg Pro Tyr Ser Val Asp
   113 1               5                   10                  15
   116 Ser Asp Ser Asp Thr Asn Ala Lys His Ser Ser His Asn Arg Arg Leu
   117             20                  25                  30
   120 Arg Thr Arg Ser Arg Pro Asn Gly
   121         35                  40
   124 <210> SEQ ID NO: 8
   125 <211> LENGTH: 44
   126 <212> TYPE: PRT
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   129 <220> FEATURE:
   130 <223> OTHER INFORMATION: HAX42 full length with additional L-Lysine
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   133 <221> NAME/KEY: MOD_RES
   134 <222> LOCATION: (1)..(1)
   135 <223> OTHER INFORMATION: Dansylated L-Lysine
   138 <400> SEQUENCE: 8
   140 Ser Asp His Ala Leu Gly Thr Asn Leu Arg Ser Asp Asn Ala Lys Glu
   141 1               5                   10                  15
   144 Pro Gly Asp Tyr Asn Cys Cys Gly Asn Gly Asn Ser Thr Gly Arg Lys
   145             20                  25                  30
   148 Val Phe Asn Arg Arg Arg Pro Ser Ala Ile Pro Thr
```

"Ser" is at location 1

RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/09/443,986B TIME: 10:17:32

Input Set : A:\EP.txt
Output Set: N:\CRF3\07022002\I443986B.raw

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     153 <211> LENGTH: 16
     154 <212> TYPE: PRT
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     157 <220> FEATURE:
     158 <223> OTHER INFORMATION: ZElan 144; PAX2 15 mer fragment-D form retroinversion with
addi
     159       tional L-lysine in position 1
     161 <220> FEATURE:
     162 <221> NAME/KEY: MOD_RES
     163 <222> LOCATION: (1)..(1)
     164 <223> OTHER INFORMATION: Dansylated L-lysine
     167 <400> SEQUENCE: 9
     169 Lys Arg Thr Arg Leu Arg Arg Asn His Ser Ser His Lys Ala Asn Thr
     170 1               5                   10                  15
     173 <210> SEQ ID NO: 10
     174 <211> LENGTH: 17
     175 <212> TYPE: PRT
C--> 176 <213> ORGANISM: Artificial
     178 <220> FEATURE:
     179 <223> OTHER INFORMATION: ZElan 145; P31 16 mer fragment- D form retroinversion with
additi
     180       onal L-lysine in position 1
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     183 <221> NAME/KEY: MOD_RES
     184 <222> LOCATION: (1)..(1)
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     190 Lys Gly Pro His Arg Arg Gly Arg Pro Asn Ser Arg Ser Ser Lys Arg
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     194 Thr
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     200 <212> TYPE: PRT
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     203 <220> FEATURE:
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addit
     205       ional L-Lysine in position 1
     207 <220> FEATURE:
     208 <221> NAME/KEY: MOD_RES
     209 <222> LOCATION: (1)..(1)
     210 <223> OTHER INFORMATION: dansylated L-Lysine
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     216 1               5                   10                  15
     219 <210> SEQ ID NO: 12
     220 <211> LENGTH: 16
     221 <212> TYPE: PRT
C--> 222 <213> ORGANISM: Artificial
     224 <220> FEATURE:
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RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/09/443,986B TIME: 10:17:32

Input Set : A:\EP.txt
Output Set: N:\CRF3\07022002\I443986B.raw

225 <223> OTHER INFORMATION: ZElan 129; PAX2 15 mer fragment with additional L-Lysine in posi
226 tion 1
228 <220> FEATURE:
229 <221> NAME/KEY: MOD_RES
230 <222> LOCATION: (1)..(1)
231 <223> OTHER INFORMATION: dansylated L-Lysine
234 <400> SEQUENCE: 12
236 Lys Thr Asn Ala Lys His Ser Ser His Asn Arg Arg Leu Arg Thr Arg
237 1 5 10 15
240 <210> SEQ ID NO: 13
241 <211> LENGTH: 17
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial
245 <220> FEATURE:
246 <223> OTHER INFORMATION: ZElan 031; P31 16 mer fragment with additional L-Lysine in positi
247 on 1
249 <220> FEATURE:
250 <221> NAME/KEY: MOD_RES
251 <222> LOCATION: (1)..(1)
252 <223> OTHER INFORMATION: dansylated L-Lysine
255 <400> SEQUENCE: 13
257 Lys Thr Arg Lys Ser Ser Arg Ser Asn Pro Arg Gly Arg Arg His Pro
258 1 5 10 15
261 Gly
265 <210> SEQ ID NO: 14
266 <211> LENGTH: 15
267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial
270 <220> FEATURE:
271 <223> OTHER INFORMATION: ZElan 091; HAX42 14 mer fragment with additional L-lysine in posi
272 tion 1
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276 <222> LOCATION: (1)..(1)
277 <223> OTHER INFORMATION: dansylated L-lysine
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283 1 5 10 15
286 <210> SEQ ID NO: 15
287 <211> LENGTH: 40
288 <212> TYPE: PRT
289 <213> ORGANISM: Artificial
291 <220> FEATURE:
292 <223> OTHER INFORMATION: PAX2 full length with additional L-lysine in position 1
294 <220> FEATURE:
295 <221> NAME/KEY: MOD_RES
296 <222> LOCATION: (1)..(1)
297 <223> OTHER INFORMATION: dansylated L-Lysine
300 <400> SEQUENCE: 15

Ser is at location 1

see p.5

RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/09/443,986B TIME: 10:17:32

Input Set : A:\EP.txt
Output Set: N:\CRF3\07022002\I443986B.raw

```
302 Ser Thr Pro Pro Ser Arg Glu Ala Tyr Ser Arg Pro Tyr Ser Val Asp
303 1               5                  10                  15
306 Ser Asp Ser Asp Thr Asn Ala Lys His Ser Ser His Asn Arg Arg Leu
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311         35                  40
314 <210> SEQ ID NO: 16
315 <211> LENGTH: 44
316 <212> TYPE: PRT
317 <213> ORGANISM: Artificial
319 <220> FEATURE:
320 <223> OTHER INFORMATION: S15 44 mer fragment L-form
322 <400> SEQUENCE: 16
324 Arg Ser Gly Ala Tyr Glu Ser Pro Asp Gly Arg Gly Gly Arg Ser Tyr
325 1               5                  10                  15
328 Val Gly Gly Gly Gly Gly Cys Gly Asn Ile Gly Arg Lys His Asn Leu
329             20                  25                  30
332 Trp Gly Leu Arg Thr Ala Ser Pro Ala Cys Trp Asp
333         35                  40
336 <210> SEQ ID NO: 17
337 <211> LENGTH: 44
338 <212> TYPE: PRT
339 <213> ORGANISM: Artificial
341 <220> FEATURE:
342 <223> OTHER INFORMATION: S21 44 mer fragment L-form
344 <400> SEQUENCE: 17
346 Ser Pro Arg Ser Phe Trp Pro Val Val Ser Arg His Glu Ser Phe Gly
347 1               5                  10                  15
350 Ile Ser Asn Tyr Leu Gly Cys Gly Tyr Arg Thr Cys Ile Ser Gly Thr
351             20                  25                  30
354 Met Thr Lys Ser Ser Pro Ile Tyr Pro Arg His Ser
355         35                  40
358 <210> SEQ ID NO: 18
359 <211> LENGTH: 44
360 <212> TYPE: PRT
361 <213> ORGANISM: Artificial
363 <220> FEATURE:
364 <223> OTHER INFORMATION: S22 44 mer fragment L-form
366 <400> SEQUENCE: 18
368 Ser Ser Ser Ser Asp Trp Gly Gly Val Pro Gly Lys Val Val Arg Glu
369 1               5                  10                  15
372 Arg Phe Lys Gly Arg Gly Cys Gly Ile Ser Ile Thr Ser Val Leu Thr
373             20                  25                  30
376 Gly Lys Pro Asn Pro Cys Pro Glu Pro Lys Ala Ala
377         35                  40
380 <210> SEQ ID NO: 19
381 <211> LENGTH: 44
382 <212> TYPE: PRT
383 <213> ORGANISM: Artificial
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/02/2002
PATENT APPLICATION: US/09/443,986B TIME: 10:17:33

Input Set : A:\EP.txt
Output Set: N:\CRF3\07022002\I443986B.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:73; Xaa Pos. 1,3,4,6,7,8,10
Seq#:74; Xaa Pos. 2,4,7,8
Seq#:75; Xaa Pos. 7,8

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75
Seq#:76,77,78,79,80,81,82,83,84,85

Application No.: 09/ 443986

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

[x] 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

[ ] 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

[ ] 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

[ ] 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

[ ] 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

[ ] 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

[ ] 7. Other: the specification and the claims do not have sequence identification numbers at each sequence as required by 37 CFR 1,821(d).

Applicant Must Provide:

[x] An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

[x] An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

[x] A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216
For CRF Submission Help, call (703) 308-4212
For PatentIn software help, call (703) 308-6856

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